



PATENT APPLICATION  
CH-7992  
WW-5620

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICATION OF	)
HARTWIG SCHLESIGER ET AL	) GROUP NO.: 1711
SERIAL NUMBER: 10/768,765	)
	) EXAMINER:
	) NATHAN M. NUTTER
FILED: JANUARY 30, 2004	)
TITLE: CELLULOSE ETHER BLENDS	)
	)

**DECLARATION OF HARTWIG SCHLESIGER UNDER 37 CFR 1.132**

I, Hartwig Schlesiger, residing at Brammerwg 1b, 29664 Walsrode, Germany,  
declare as follows:

1. I studied chemistry at the University of Hanover, Germany from 1987-1995
2. I received the degree of doctor rer. nat. at the University of Hanover in the year 1995; and
3. I have been employed by Wolff Cellulosics Gmbh & Co. KG, 29656 Walsrode, Germany since 1996, and I have worked and performed research in the field of cellulose ether compositions since 2001.

Under my direction and control the following experiments were carried out:

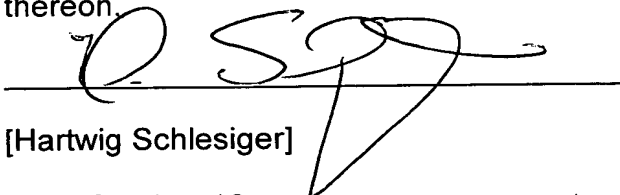
Comparative examples were prepared according to the amounts shown in the following table:

<b>Comparative example</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
cellulose ether [wt%]	100	100	100	100	100	100	100
Hydroxypropyl starch [wt%]	-	0.5	2	5	10	2	2
polyacrylamide [wt%]	-	0.3	0.3	0.3	0.3	0.6	0.9
bulk density [g/l]	185	185	187	204	207	183	186

These were prepared by mixing in the conventional manner, by adding starch ether (as a powder) and polyacrylamide (as a powder) to a cellulose ether (as a powder). The three powders were homogenized to yield an uniform particle distribution. No water was added and no additional drying or grinding step was performed.

As shown in the above data, conventional mixtures of a cellulose ether (CE) with starch ethers and polyacrylamide do not have a significantly increased density (cellulose ether alone: 185 g/l; different mixtures of CE with increasing amounts of starch ether and polyacrylamide: 185 to 204 g/l) while products made according to the methods of the present invention, i.e., by co-processing said compounds under simultaneously drying and milling, show a bulk density of greater than 250 g/l (see examples 9 and 10 in the present application).

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and the such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

  
[Hartwig Schlesiger]

2006 October 16.